

Purple Line Extension

Section 2 Construction Community Meeting

February 22, 2018



Agenda

- Wilshire/Rodeo Station
 - Advance Utility Relocation
 - Demo of former Ace Gallery
 - MOA for Design-Build
- Century City/Constellation Station
 - Advance Utility Relocation (AUR)
 - Launch Box
 - Geotech/potholing



Purple Line Extension

Project Alignment



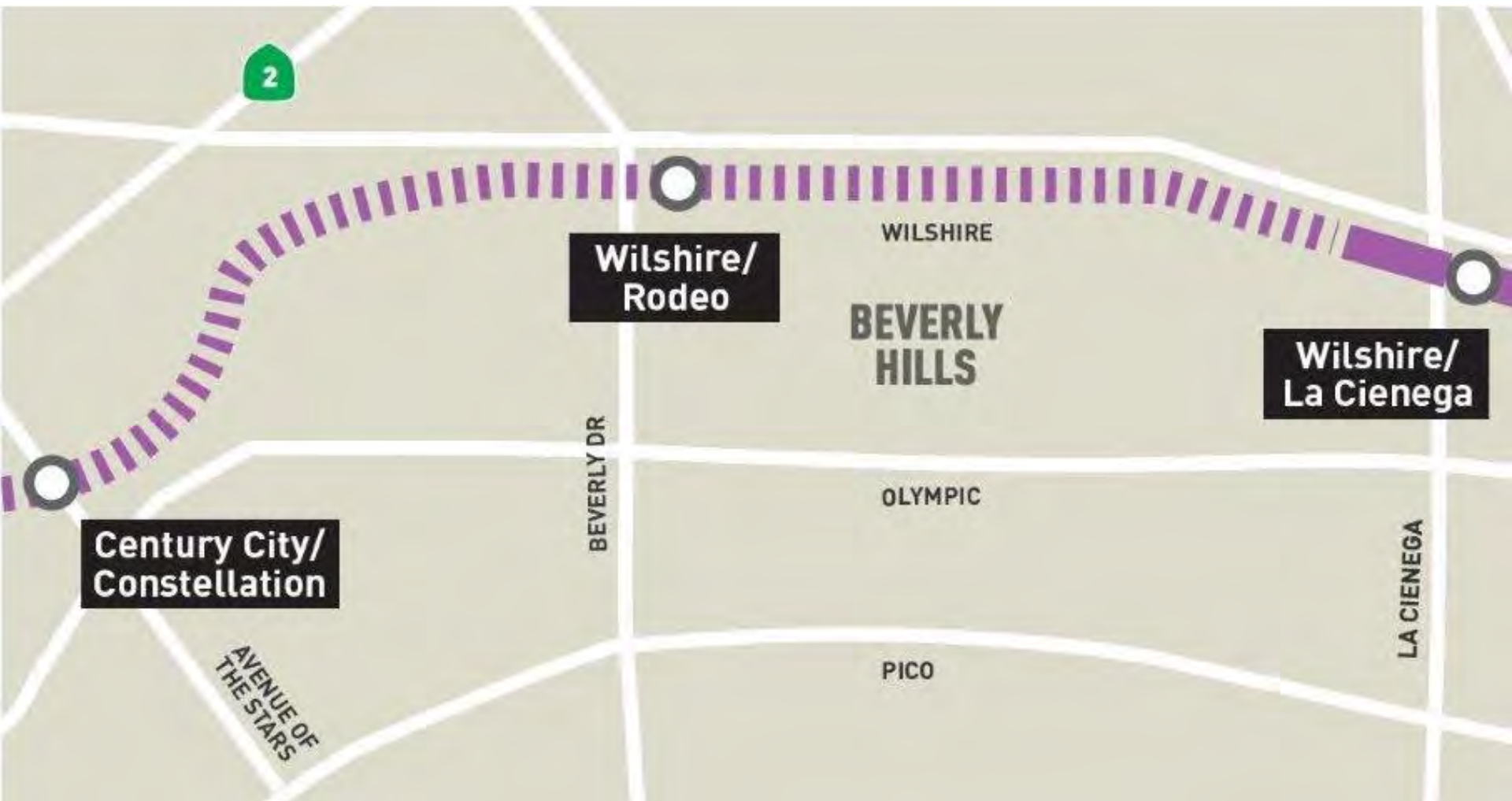
Sections 1, 2 & 3 Status

**Subject to change. The PLE project team is working to deliver the project consistent with Measure M*

	Forecasted Schedule		
Section	Section 1	Section 2	Section 3
Length	3.92 Miles	2.59 Miles	2.59 Miles
New Stations	Wilshire/La Brea Wilshire/Fairfax Wilshire/La Cienega	Wilshire/Rodeo Century City/ Constellation	Westwood/UCLA Westwood/VA Hospital
Pre-Construction Activities	2014 – 2015	2016 – 2018	2018 - 2020
Construction	2015 - 2023	2018 – 2025	2019 – 2026
Operations	2023	2025	2026

Purple Line Extension

Section 2 Alignment

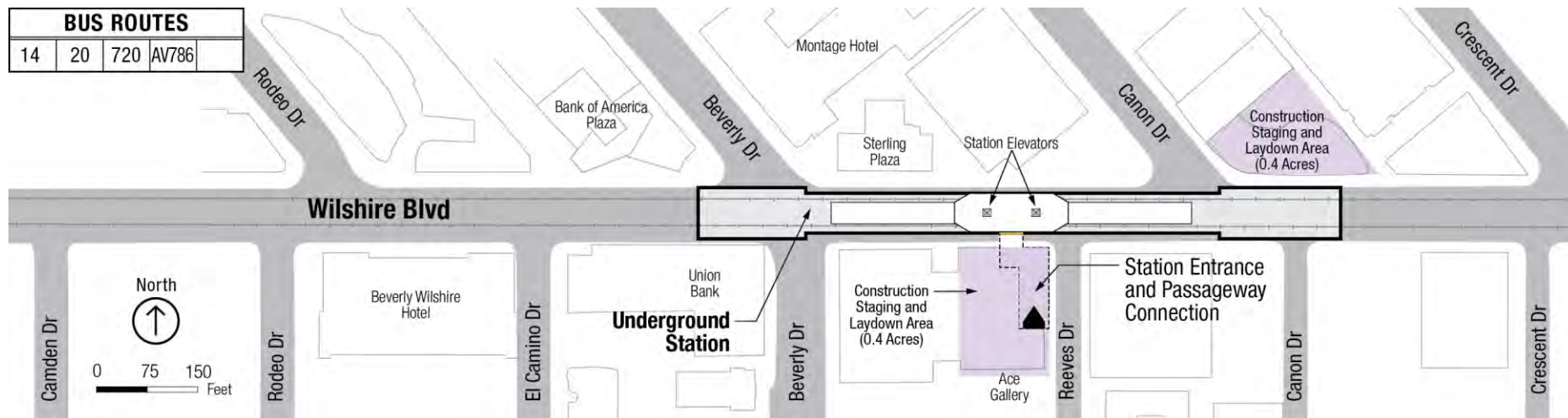


Wilshire/Rodeo Station



Wilshire/Rodeo Station

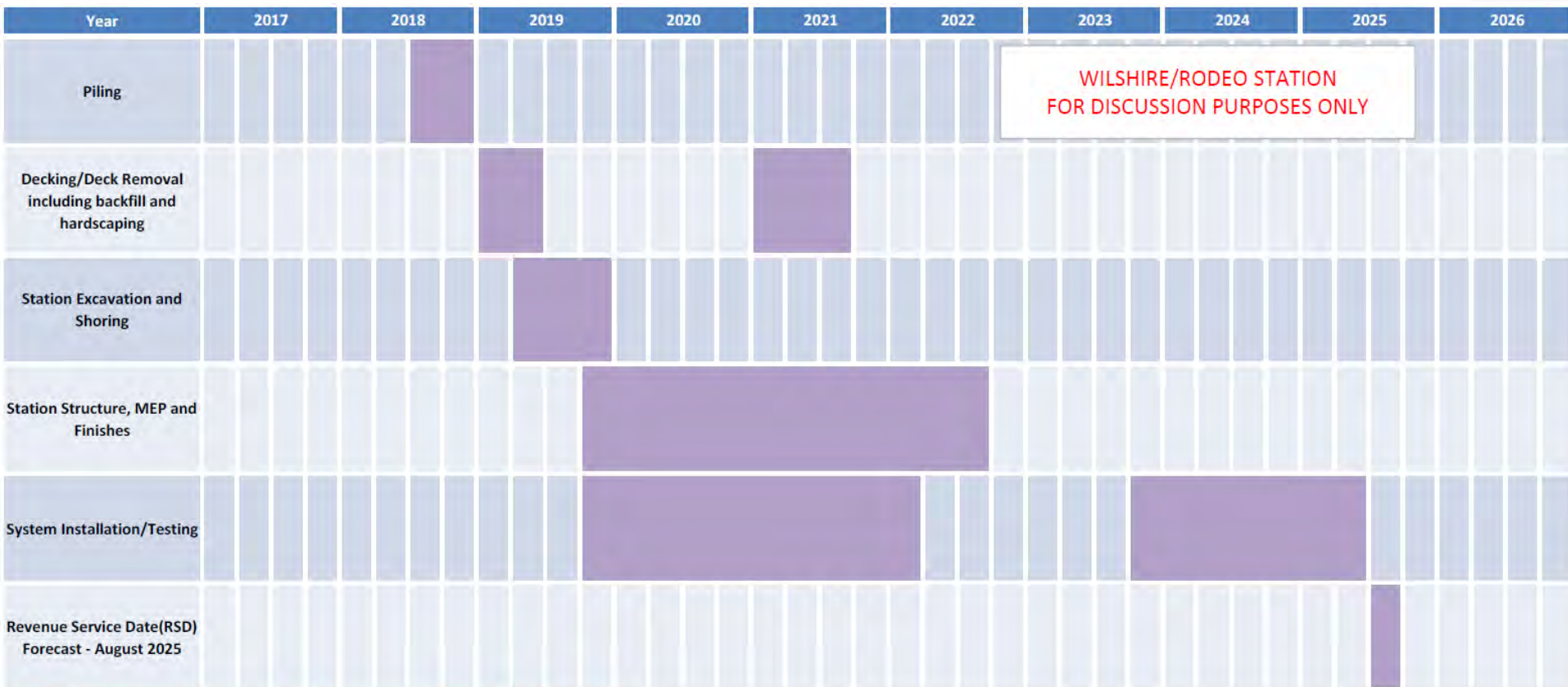
Station Box



Rendering shows length of the underground station box on Wilshire Bl from Canon Dr to Beverly Dr

Wilshire/Rodeo Station Schedule

**As of February 2018, subject to change. Pending Council approval.*



NOTE: All timeframes noted above are for planning purposes ONLY. Actual dates may change.



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Geotechnical Investigations

Seismic Boring Study

- These are deeper borings to investigate the geology to determine if a fault is present
- If a fault is present, the design-builder will identify the subsurface conditions including fault characteristics relative to the proposed Metro tunnels



Southern California Gas/ AT&T

Yellow=Gas Orange=AT&T



Advanced Utility Relocation

Monitoring and Adjustment

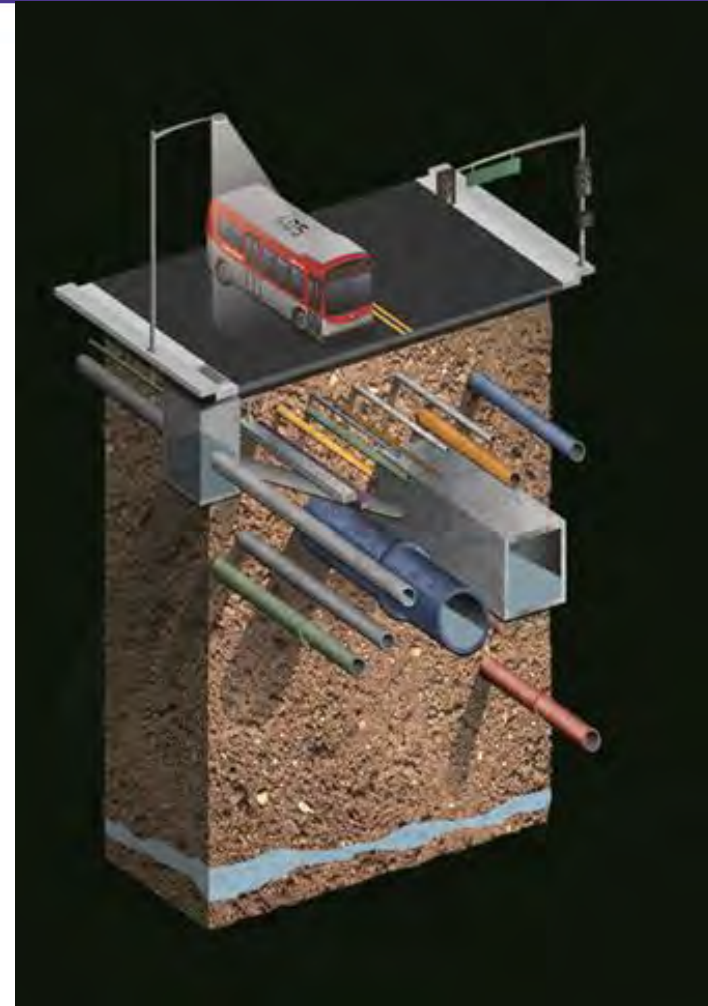
- City of Beverly Hills/Metro traffic engineers will monitor traffic
- Local Access Only signs
- Signal timing adjustments
- Crosswalk timing adjustments
- Traffic Control Officers (TCO)
- Beverly Hills Police Department support
- Any other adjustments as needed to work plans, traffic plans or detours
- Monitor bus stops and zones

Advanced Utility Relocation

Wilshire/Rodeo Station

Start Dates:

- SCE: **COMPLETE**
- SCG: February 12, 2018
- AT&T: February 12, 2018



Rendering of AUR work

SCG and AT&T Utility Relocation

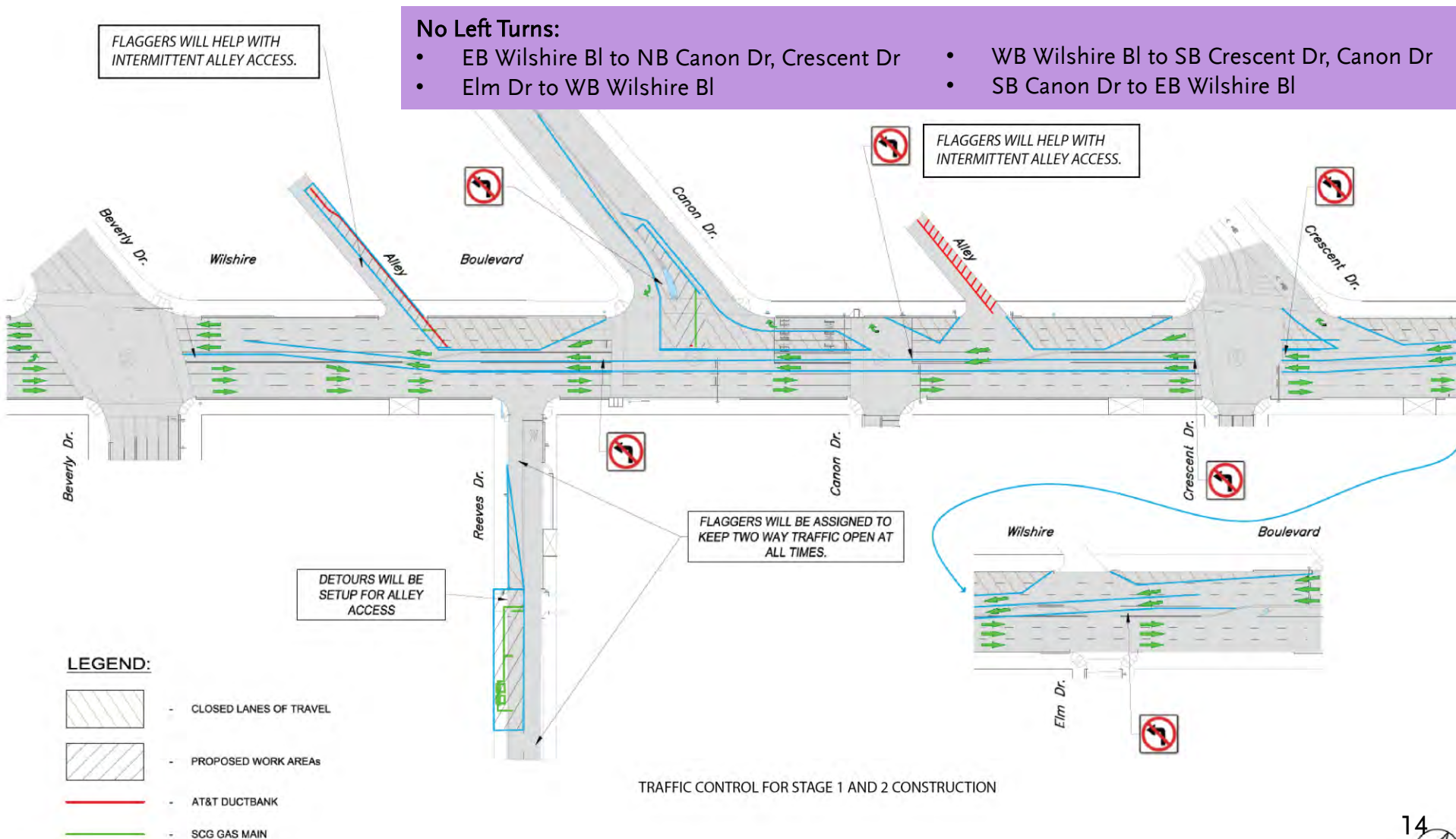
Combined Traffic Control

- SCG and AT&T will work simultaneously within work zone
 - Will reduce overall duration of work
 - Work is scheduled from February through August 2018
- Stage 1-3 will look similar to SCE
 - Work is set up in morning and taken down each night
 - Will accommodate awards season



SCG and AT&T Utility Relocation

Stage 1 & 2: 36 days / Sun: 10am-6pm, Mon-Wed: 9am-4pm



SCG and AT&T Utility Relocation

Combined Traffic Control

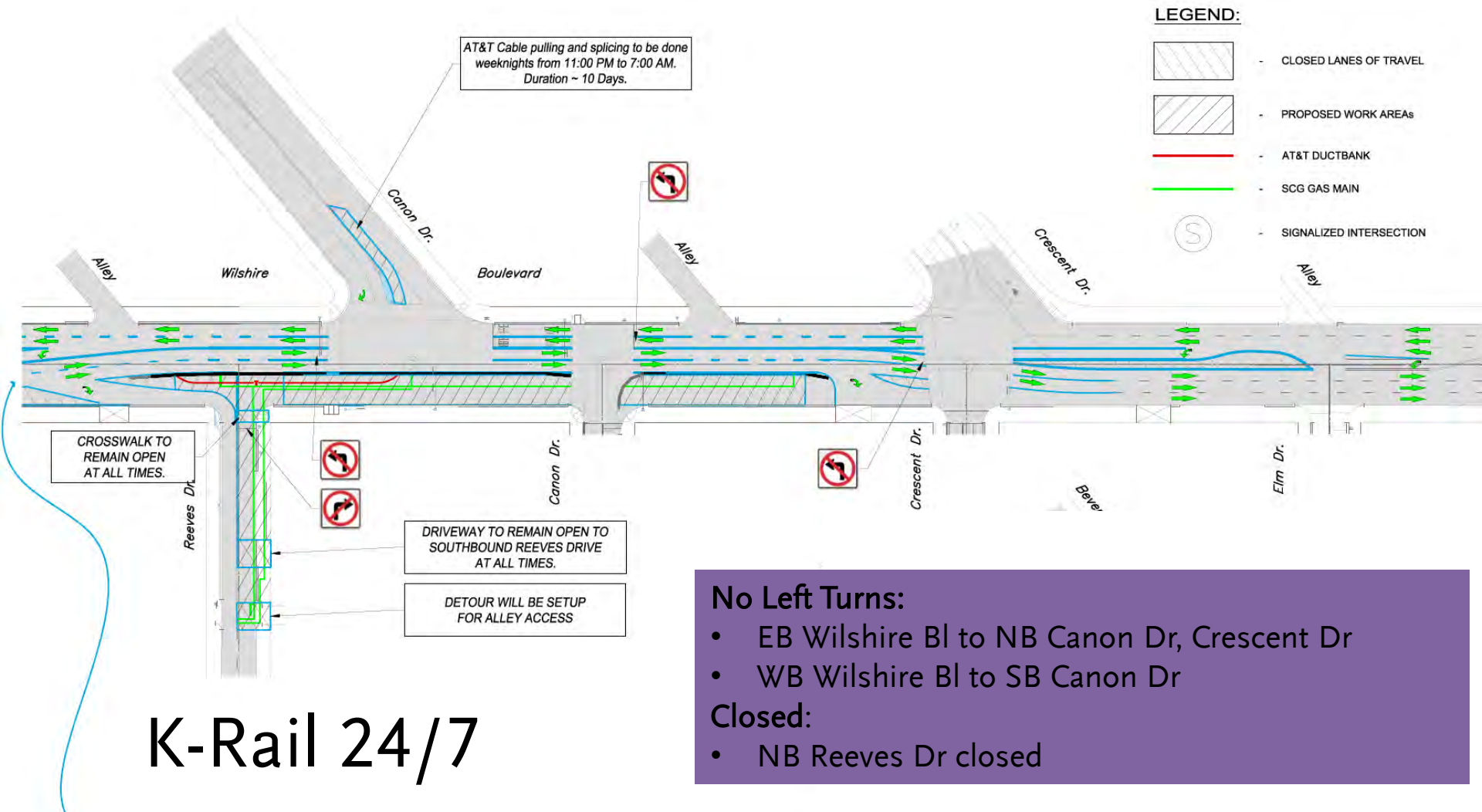
- Stage 4 - 8 will take place behind K-rail
 - K-rail to remain 24/7 and work will take place behind it during approved working hours
 - Set up will take place after awards season (April 2018)



- Wilshire Bl two lanes each direction from west of Beverly to east of Canon
- Medians and parking removed from work zone
- Buses have been relocated outside of work zone

SCG and AT&T Utility Relocation

Stage 4: 34 days / Mon-Fri: 7am-7pm, Sat-Sun: 10am-6pm



K-Rail 24/7

Bus Stop Relocations



- **East of Beverly Dr:**
20/720 WB/EB Wilshire Bl between Rexford Dr and Crescent Dr
- **West of Beverly Dr:**
20/720 WB/EB Wilshire Bl between Camden Dr and Rodeo Dr

Demolition of 9430 Wilshire Bl

Former Ace Gallery, future Construction Staging Yard



Demolition of 9430 Wilshire Bl

Former Ace Gallery

**Pending City Council Approval*

Site Address: 9430 Wilshire Blvd

- 2-Story Building on the corner of Wilshire Bl and Reeves Dr

Schedule

- Anticipated to start May 2018*
- Estimated duration of demolition activities: 5-7 weeks

Traffic Impacts

- Temporary lane closure along Wilshire Bl (approximately 2 weeks)
 - Temporary Turn Restriction on Reeves Dr
- Sidewalk/partial lane closure along Reeves Dr (duration of demolition)
 - Pedestrian protection to be installed



Demolition of 9430 Wilshire Bl

Former Ace Gallery

Dust Mitigation

- Water used to spray demo area

Noise Mitigation

- Equipment installed with low-noise mufflers and noise blankets on fencing around work area

Protection of the Park

- Fencing/barrier around work area including noise control measures



Example of noise mitigation blanket



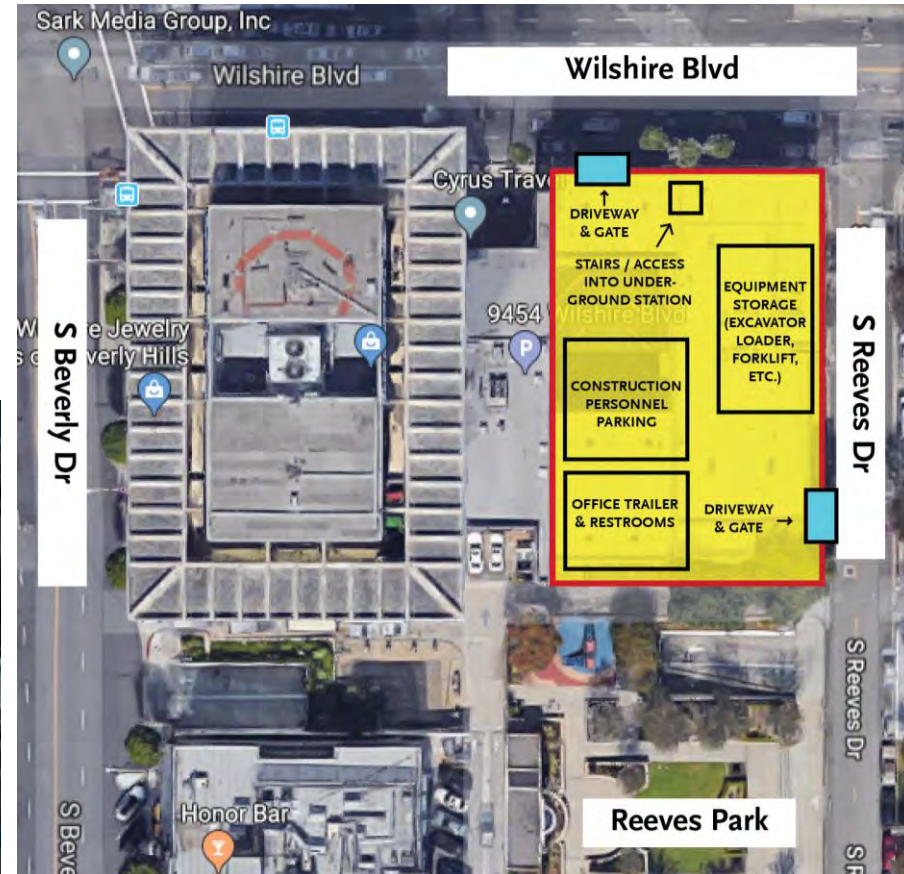
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Noise Barrier Wall

Former Ace Gallery

**Pending City Council Approval*

- Construction of sound wall
- Work Hours: 7am – 5pm
- Sound Wall: 20 feet



Memorandum of Agreement (MOA)

- Establish conditions and procedures for construction
- Minimize impact to the community
- Establish independent compliance monitor and enforcement process
- Key Elements:
 - Work Hours
 - Holiday Moratorium
 - Business Mitigation Assistance
 - Penalties and Fines

MOA – Design-Build

Business Mitigation Assistance (BMA)

- 24/7 Hotline with live-person
- Advertising
- Eat Shop Play Beverly Hills
 - Coordination with BH Chamber of Commerce and My Beverly Hills campaign
 - Coordination with BH Tourism and Visitors Bureau and Love Beverly Hills campaign
- Parking Replacement program
- Banners and signage (Aesthetic Treatment)
- Communications, Outreach and Engagement

Next Steps

Wilshire/Rodeo Station

**Subject to change*

City Council Approvals*

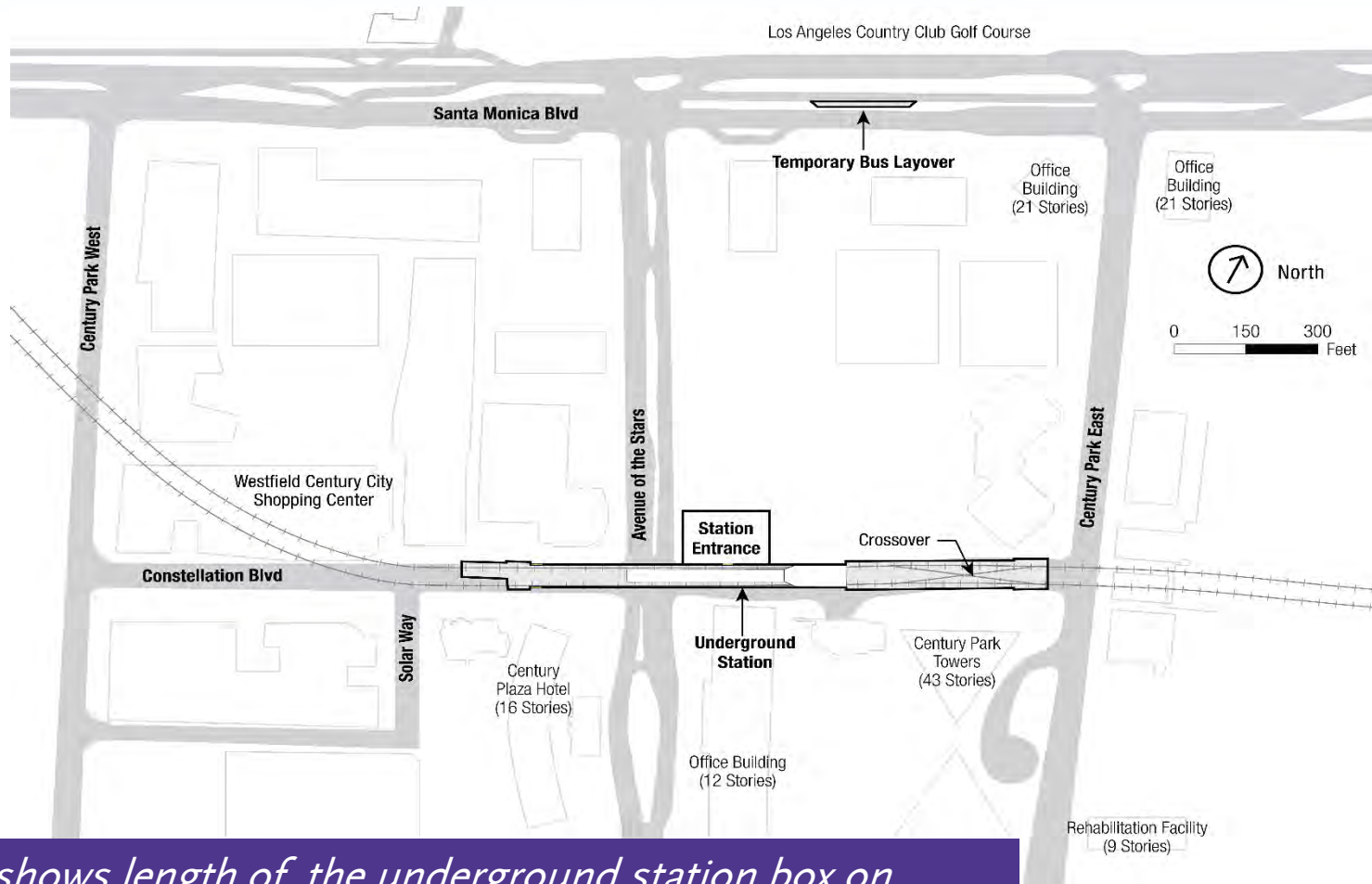
- Public Information Graphics (Aesthetics) – March 6, 2018
- Seismic Boring Study – March 6, 2018
- N Canon Traffic Study – March 6, 2018
- Ace Gallery Demo permit – April 2018
- MOA Design-Build – June 2018

Century City/Constellation Station



Century City/Constellation

Station Box



Rendering shows length of the underground station box on Constellation Bl from Century Park East to Avenue of the Stars

Century City/Constellation Station Schedule

Year	2017				2018				2019				2020				2021				2022				2023				2024				2025				2026			
Quarter	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4				
Piling						Launch Box																																		
Decking/Deck Removal including backfill and hardscaping						Launch Box																																		
Station Excavation and Shoring							Launch Box																																	
Station Structure, MEP and Finishes																																								
System Installation/Testing																																								
Revenue Service Date(RSD) Forecast - August 2025																																								

CENTURY CITY CONSTELLATION STATION
FOR DISCUSSION PURPOSES ONLY

NOTE: All timeframes noted above are for planning purposes ONLY. Actual dates may change.

Century City/Constellation

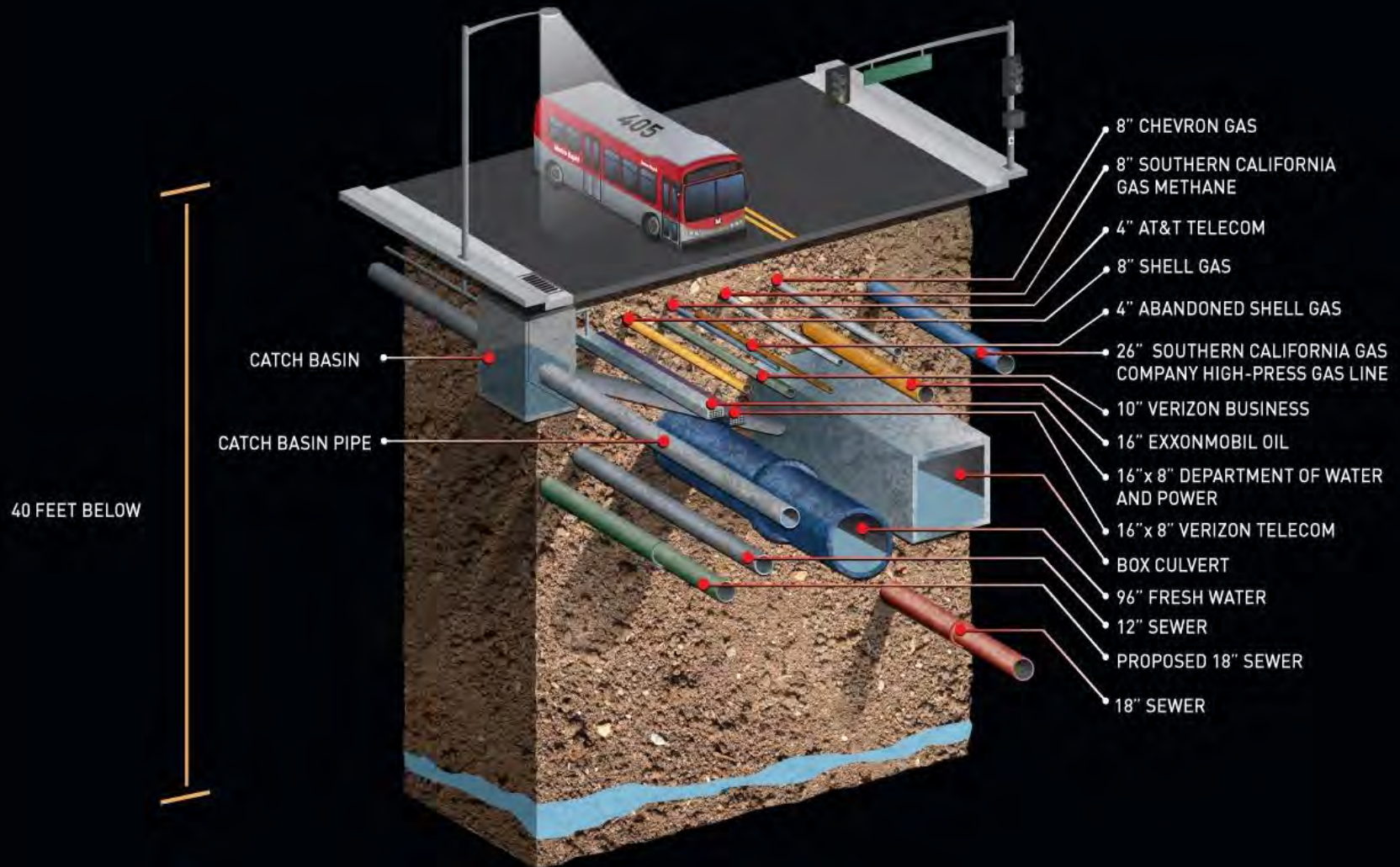
AUR Schedule

**As of February 2018, subject to change*

Activity Name	2017				2018				2019			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
AT&T - CABLE PULLING & SPLICING												
GAS *												
WATER												
TELECOM												
POWER - CABLE PULLING & SPLICING												

* Gas utility work has been completed.

Advance Utility Relocation



Advance Utility Relocation

Schedule and Work Hours AT&T/DWP

**Dates subject to change*

AT&T: Completion of Civil Work expected April 2018

- **Work hours:** Monday through Friday, 7am to 3:30pm
- Sidewalk closed on north side of Constellation from Watt driveway to Avenue of the Stars
- Work will be east of Avenue of the Stars thru March, 2018
- Remaining work west of Avenue of the Stars will be done at night

DWP (Power): Continuous through 2018

- **Work hours:** Monday through Thursday, 9pm-6am
Weekends: Friday, 7pm thru Monday, 6am
- Work continues within the intersection of Avenue of the Stars and Constellation Blvd thru April, 2018



Telecommunications line work

Century City/Constellation Station



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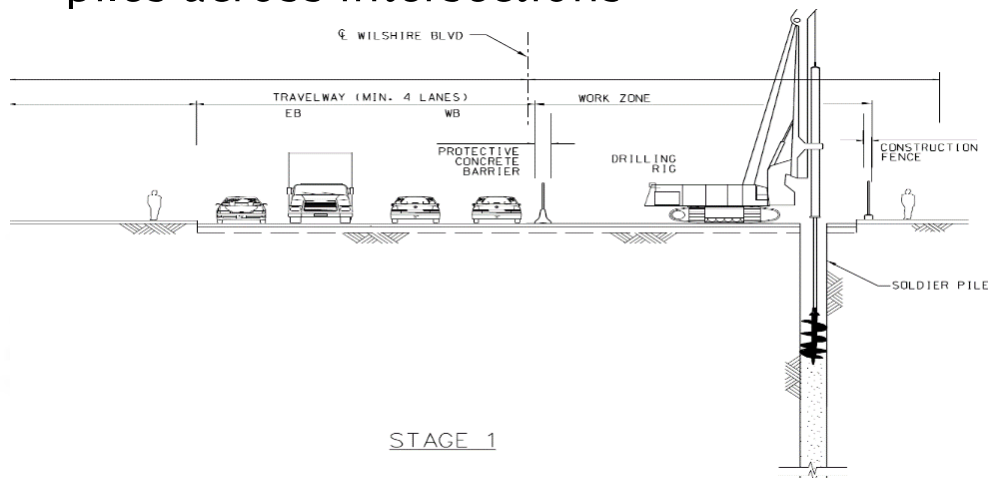
Pile Drilling Installation

Start Date

**Dates subject to change*

Anticipated: Spring 2018*

- Pile installation includes:
 - Rig to drill holes
 - Crane to lift piles into holes
- All work occurs behind k-rail (concrete barriers)
- Street will be reduced during operation
- Weekend closures may be needed to install piles across intersections



Example of piling work at Wilshire/La Brea

Pile Drilling Installation

Example from Wilshire/La Cienega



Decking Installation

Overview

**Dates subject to change*

Anticipated: Summer 2018*

- Construction of a concrete deck, curb-to-curb
- Sidewalks will be maintained or pedestrian detours created
- Decking will serve as the temporary street surface
- Traffic will travel on the installed deck panels while the station is constructed underground
- Typical station:
 - Approximately 1000 feet long
 - Approximately 70 feet wide
 - Approximately 75 - 90 feet deep
- Metro will work closely with first responders on emergency access and safety
- Additional activities under decking closures: ground improvements, piling, temporary civil improvements



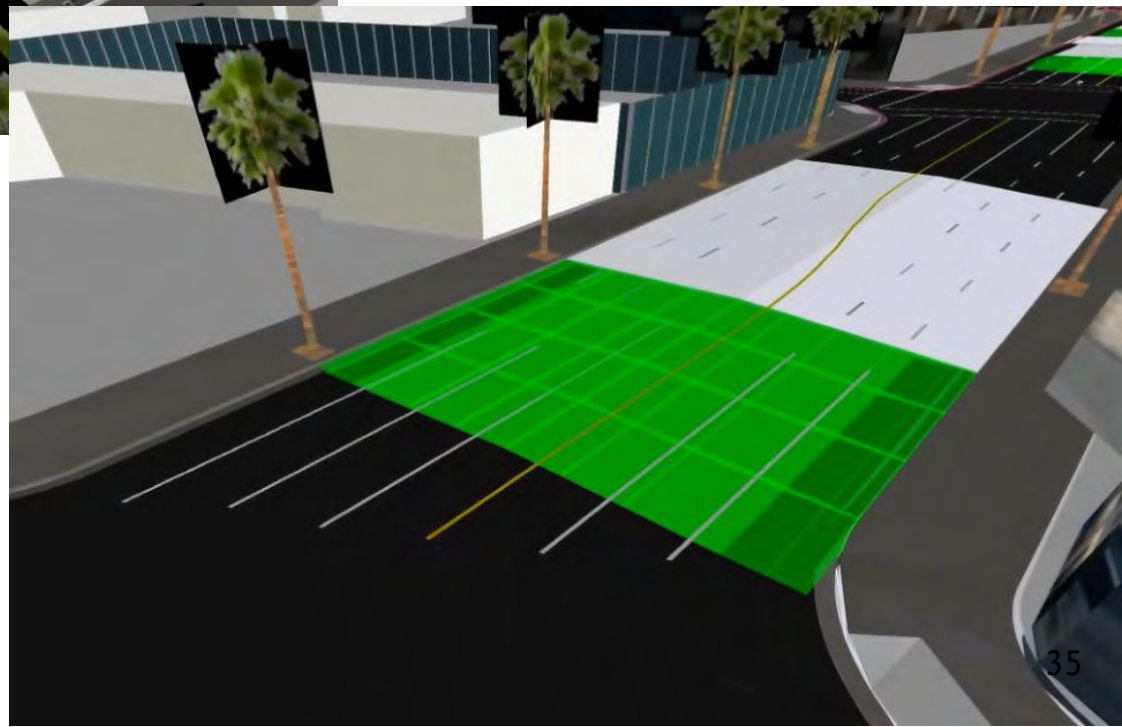
Asphalt removal on Wilshire Bl near Detroit St



Steel beams welding prior to concrete deck panel installation

Decking Installation

Set-Up



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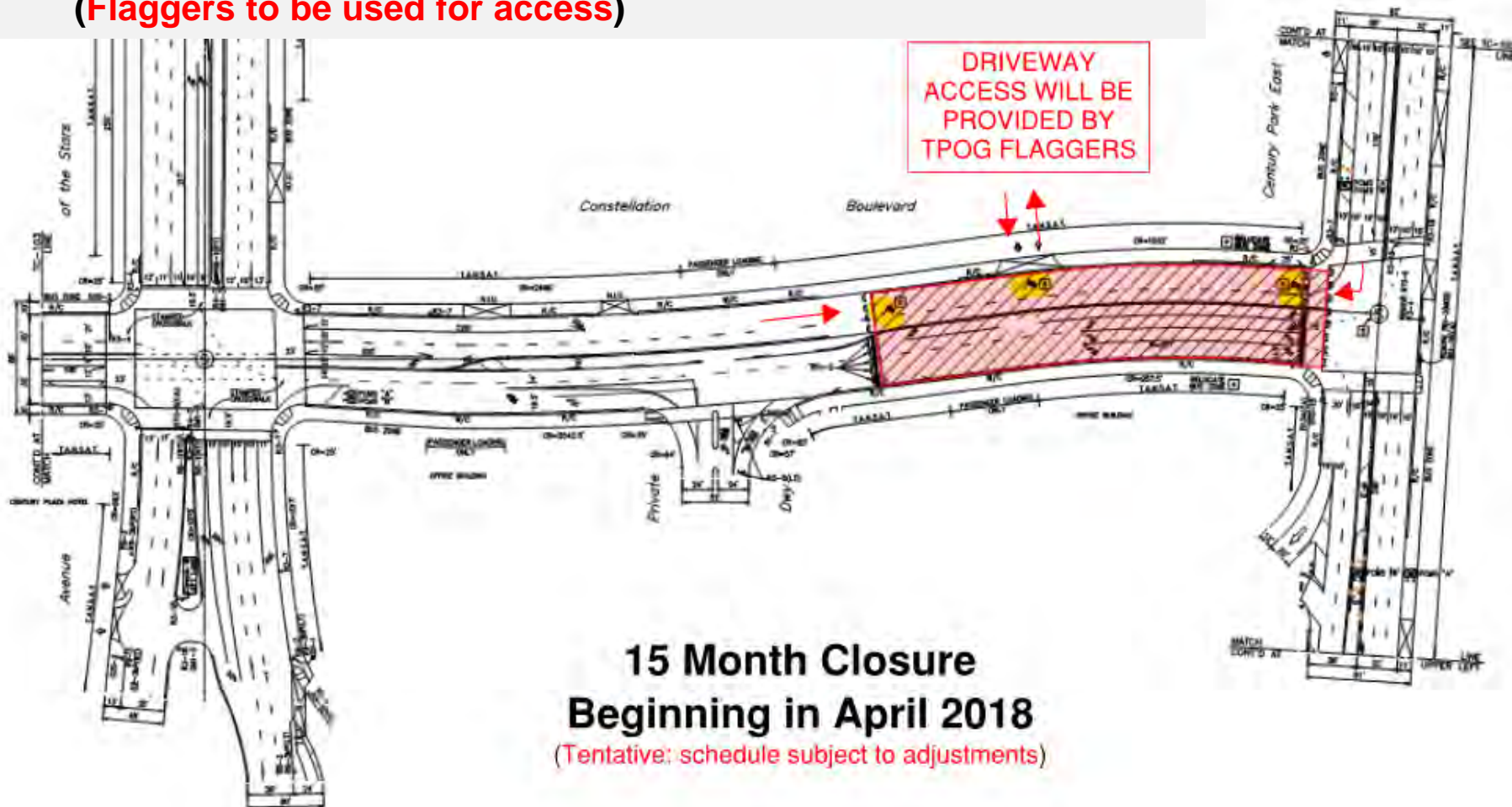


Decking example from Wilshire/Fairfax, aerial view of decking progress from roof of the Petersen Automotive Museum

Full Closure of Constellation Blvd. at Century Park East

**Dates subject to change*

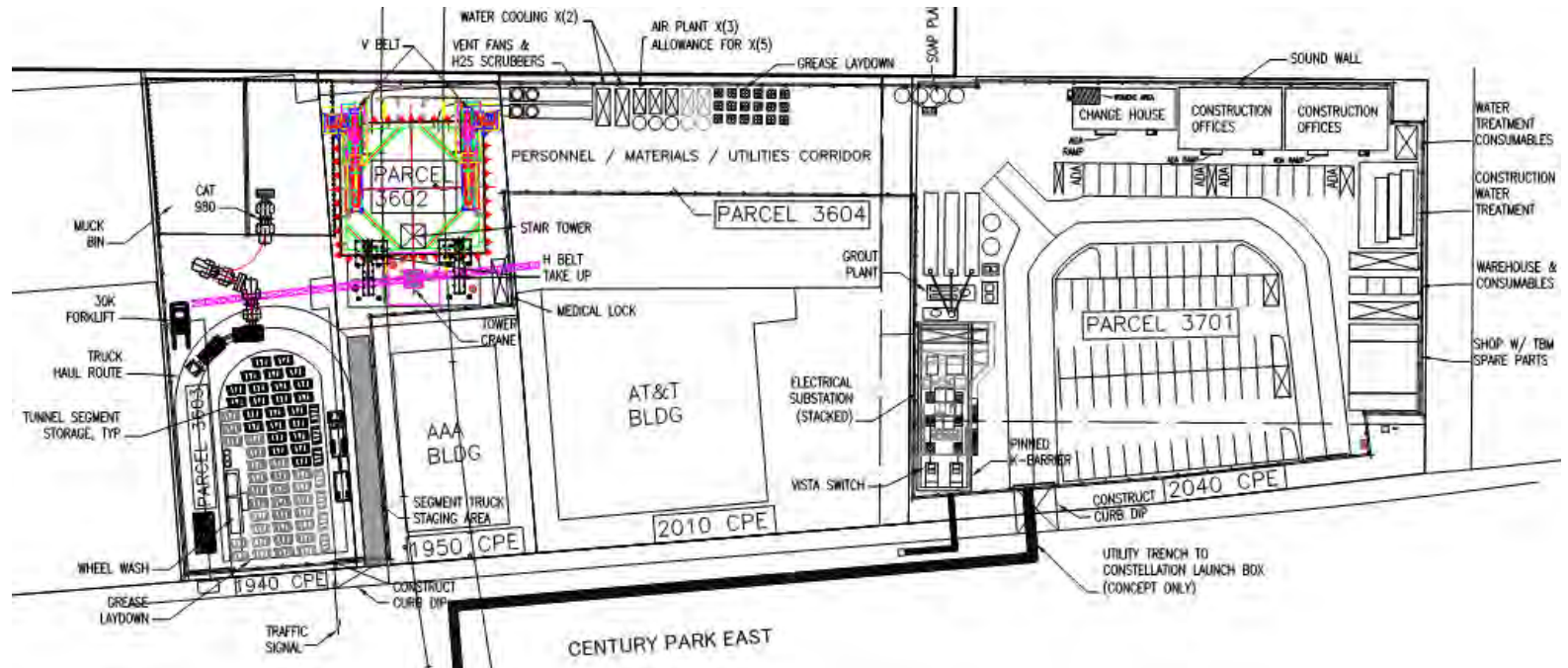
- No Public Access for Tenants through Driveway
- Limited Access for:
 - Large Trucks, Deliveries, Construction, Trash, Fedex/UPS
(**Flaggers to be used for access**)



Construction Staging Areas

1940, 1950 & 2040 Century Park East

- Construction of sound wall
- Sound Wall: 20 feet
- Acceptable Noise Limits:
 - Mon-Fri: 7am - 10pm = 75dBA
 - 10pm - 7am and Weekends: No more than 5dBA over ambient/background



Station Construction

24/7 Underground

- Work primarily occurs underground beneath concrete decking
- Surface activities include:
 - Deliveries
 - Soil removal
 - Concrete pumping
- Material delivery and hauling occurs day/night



Example of underground station construction

Tree Removal and Replacement

- Estimate 15 trees need to be removed in public Right-of-Way
 - 8 at Constellation Bl
 - 7 at Santa Monica Bl
- Trees evaluated for relocation potential
- Potential tree relocations
 - 9 at Constellation Bl
 - 21 at Santa Monica Bl



Ficus rubiginosa – Rusty leaf fig, at NE corner of Constellation Bl and Avenue of the Stars



Platanus x acerfolia – London planetree, along south side of Constellation Bl

Tree Removal and Replacement

City of Los Angeles Process

- Metro will submit tree removal application to Urban Forestry Division (UFD)
- Notices will be posted on trees
- Application will be heard by Board of Public Works
- Trees will be removed incrementally based on construction phasing
- Anticipate first removals at Constellation Bl in Spring 2018



Jacaranda mimosifolia - Jacaranda,
Santa Monica Bl

Tree Removal and Replacement

Landscape Plan Overview

- Metro will replace all trees 2:1
- Design-Builder responsible for landscape plan
 - Reviewed existing plan to ensure all trees need to be removed
- Landscape palette dictated by existing palette and City requirements
- Workshops will be hosted by Design-Builder for community input
- City of Los Angeles has agreed to 36" box trees
- New irrigation, controllers and lighting for affected areas (Santa Monica Bl)



Quercus agrifolia – Coastal live oak,
Santa Monica Bl

Tree Removal and Replacement

Constellation Bl



Note: To satisfy 2:1 ratio, additional tree replacements for Constellation Bl tree removals will be located at Santa Monica Bl



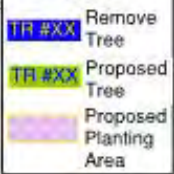
LEGEND	
TR #XX	Remove Tree
TR #XX	Proposed Tree
	Proposed Planting Area

Total Trees
Removed = 8
Total Trees
Replanted = 9



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Santa Monica Bl



Landscape Exhibit:

Tree Replacement Constellation Blvd.



Landscape Exhibit:

Tree Replacement at Avenue of the Stars/Constellation Bl

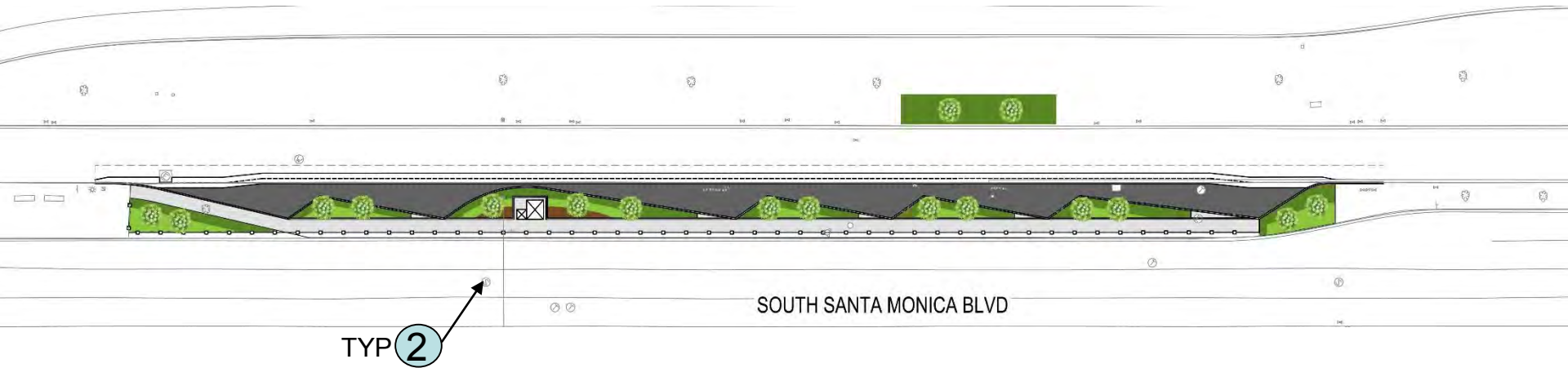


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1 *Platanus x acerfolia* –
London planetree

Landscape Exhibit:

Tree, Shrub and Groundcover at Santa Monica Bl



- **Landscape includes:**
 - Trees
 - Shrubs
 - Ground cover



2 *Pyrus calleryana*
'Chanticleer' (Callery Pear)

Metro Business Interruption Fund

Helping local businesses as we build.
Update as of 2/2/18



BIF Information and Eligibility

- > Financial assistance to small “mom & pop” businesses with **25 or fewer employees** directly impacted by Metro Rail construction along three project areas
- > Businesses must be located immediately adjacent to the rail corridor and meet other eligibility requirements
- > Grant amount determined by loss of business revenue related to period of construction disruption
- > To date, 586 grants have been awarded with a total value of more than \$13.0 million along all three projects

BIF Grant Award Update

- > **Purple Line Extension, Section 1**
 - > BIF Grants Awarded: 143
 - > BIF Grant Amount Awarded: \$3,521,216.01
 - > Number of small businesses awarded: 62
- > BIF Business Advisor: Brian Lazo
 - > Pacific Coast Regional Small Business Development Corporation (PCR)
 - > Phone: 213.739.2999



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BIF Grant Award Update

- > **Purple Line Extension, Section 2**
 - > BIF Grants Awarded: 3
 - > BIF Grant Amount Awarded: \$110,826.98
 - > Number of small businesses awarded: 3
- > BIF Business Advisor: Darrell Smith
 - > Pacific Coast Regional Small Business Development Corporation (PCR)
 - > Phone: 213.739.2999



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Next Community Meeting

Beverly Hills

Update on La Cienega and Rodeo Stations

March 7, 2018

6:30pm – 8pm

Beverly Hills City Hall

Municipal Gallery

455 N. Rexford Drive

Beverly Hills, CA 90210



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Next Community Meeting

Section 2

Section 2: Construction Community Meeting

Thursday, May 24, 2018

6:30pm – 8pm

Century Plaza Towers
2029 Century Park East
Los Angeles, CA 90067

*Parking will be validated



Stay in Touch



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